



Public Works | 860-584-6125

Memorandum

Date: February 9, 2022

To: Mayor Jeffrey Caggiano
Board of Public Works

From: Nancy Levesque, PE, City Engineer

Re: **Route 6 RR Crossing**

Engineering has been working with an outside consultant to respond to CT DOT comments for the Route 6 Railroad crossing. One of the comments requested additional survey information and plan/profile information in the vicinity of the crossing. The initial design called for raising the rail crossing by 6" with the purpose of improving the roadway vertical geometry. While reviewing the DOT design requirements for vertical curves, it has been determined that the roadway vertical geometry cannot be significantly improved without fully reconstructing a greater portion of Route 6. The reconstruction would likely start at Clark Ave and end at the crest of the hill near the Water Department entrance approximately 450'. In particular, the Stopping Sight Distance (SSD) required for a 45 MPH road ranges from 345' to 400' for this section of Route 6. The raising of the crossing would only provide an SSD of 180'. Since this does not improve the vertical geometry or come close to meeting DOT roadway standards and under the advisement of our consultant, Engineering will be submitting design plans indicating a 0-2" raising of the crossing. It is less likely under this scenario for DOT to request full roadway reconstruction or design waivers since we will be maintaining the current vertical alignment.

Please feel free to contact me with any questions/concerns.

City of Bristol

111 North Main Street
Bristol, CT 06010
www.bristolct.gov